

Title (en)
PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES

Title (de)
PFLANZEN MIT ERHÖHTER TOLERANZ GEGEN HERBIZIDE

Title (fr)
PLANTES PRÉSENTANT UNE TOLÉRANCE ACCRUE AUX HERBICIDES

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Abstract (en)
[origin: WO2014177992A2] The present invention refers to a method for controlling undesired vegetation at a plant cultivation site, the method comprising the steps of: providing, at said site, a plant that comprises at least one nucleic acid comprising a nucleotide sequence encoding a wild-type hydroxyphenyl pyruvate dioxygenase or a mutated hydroxyphenyl pyruvate dioxygenase (mut- HPPD) which is resistant or tolerant to a N- heterocyclyl-arylcarboxamide and/or a nucleotide sequence encoding a wild-type homogentisate solanesyl transferase or a mutated homogentisate solanesyl transferase (mut-HST) which is resistant or tolerant to a N- heterocyclyl-arylcarboxamide, and applying to said site an effective amount of said herbicide. The invention further refers to a method of identifying a nucleotide sequence encoding a mut-HPPD which is resistant or tolerant to a N-heterocyclyl-arylcarboxamide, as well as transgenic plants having increased resistance or tolerance to a N-heterocyclyl- arylcarboxamide as compared to a wild-type variety of the plant cell.

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